

AMENDMENTS

In the Claims

1. **(Currently Amended)** An information handling system comprising:
plural components operable to process information, one or more of the components
 having an identification code;
a chassis having an exterior and interior, the interior housing the plural components;
a cooling system associated with the chassis and operable to cool the components;
one or more sensors operable to sense cooling system performance;
a cooling system controller interfaced with the cooling system and the sensor, the cooling
 system controller operable to adjust cooling system performance according to one
 or more cooling system parameters; and
a cooling system parameter table interfaced with the cooling system controller and having
 plural cooling parameters, each cooling parameter associated with one or **more**
 component identification codes;
wherein the cooling system controller is further operable to select one or more cooling
 parameters for adjusting cooling system performance, the selection by lookup of
 the component identification code from the cooling system parameter table.
2. **(Original)** The information handling system of Claim 1 wherein the component
comprises a central processing unit and the component identification code comprises a central
processing unit identification code.
3. **(Original)** The information handling system of Claim 1 wherein the component
comprises a basic input output system and the component identification code comprises a chassis
identification code.
4. **(Original)** The information handling system of Claim 1 wherein the cooling
system comprises a fan aligned to exchanged heated air from the chassis interior with cooling air
from the chassis exterior.

5. (Original) The information handling system of Claim 4 wherein the cooling system parameter comprises cooling fan speed.
6. (Original) The information handling system of Claim 4 wherein the cooling system parameter comprises the temperature in the chassis interior.
7. (Original) The information handling system of Claim 4 wherein the cooling system parameter comprises an operating curve defining cooling fan speeds in relation to sensed temperatures.
8. (Original) The information handling system of Claim 1 further comprising an update module interfaced with the cooling system parameter table and operable to update the cooling system parameter table with updated component identification codes and associated cooling system parameters.
9. (Original) The information handling system of Claim 1 wherein the cooling system parameter table comprises a default cooling system parameter for use with unknown component identification codes.
10. (Original) The information handling system of Claim 1 wherein the cooling system parameter comprises a central processor unit edge diode temperature.
11. **(Currently Amended)** A method for managing information handling system temperature control, the method comprising:
detecting a configuration of the information handling system, **the configuration comprising at least one component, the component having an identification code;**
looking up cooling system parameters associated with the configuration from a table stored on the information handling system;

configuring a cooling system of the information handling system with the cooling system parameters; and
managing the temperature of the information handling system with the cooling system.

12. (Original) The method of Claim 11 wherein detecting a configuration further comprises detecting a central processing unit identification code.

13. (Original) The method of Claim 11 wherein detecting a configuration further comprises detecting a chassis identification code.

14. (Original) The method of Claim 11 wherein looking up cooling system parameters further comprises retrieving cooling system parameters associated with an identification code of a component of the information handling system from a table stored in the basic input output system of the information handling system.

15. (Original) The method of Claim 14 further comprising:
downloading updated table information to the information handling system, the updated table information having one or more updated components, the updated component having associated updated cooling system parameters;
detecting a change to the configuration of the information handling system with an updated component; and
configuring the cooling system with the associated updated cooling system parameters.

16. (Original) The method of Claim 11 wherein configuring a cooling system further comprises:

loading a fan controller with cooling system parameters to operate the fan within a performance curve correlating sensed temperatures and fan speed.

17. (Original) The method of Claim 16 wherein the sensed temperature comprises a processor edge diode temperature.

18. (Original) A system for cooling an information handling system, the system comprising:
- a cooling fan operable to couple to an information handling system aligned to provide cooling air for cooling one or more components of the information handling system;
 - a fan controller interfaced with the cooling fan and operable to obtain temperature information associated with the information handling system and to control cooling fan speed according to an operating curve; and
 - an operating curve selector interfaced with the fan controller and operable to obtain component identification information from the one or more components and to select an operating curve associated with the component identification information for use by the fan controller.
19. (Original) The system of Claim 18 wherein the component comprises a central processing unit.
20. (Original) The system of Claim 18 wherein the component comprises a chassis.
21. (Original) The system of Claim 18 further comprising an operating curve look-up table having plural operating curves, each operating curve associated with one or more sets of component identification information.
22. (Original) The system of Claim 18 wherein the operating curve selector is further operable to calculate an operating curve from thermal characteristics associated with the identified components.